Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011823\
Data File : BN023699.D
Acq On : 18 Jan 2023 12:35
Operator : CG/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Jan 18 13:50:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 18 13:48:27 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.992	152	4319	0.400	ng		0.00
7) Naphthalene-d8	10.808	136	11508	0.400	ng		0.00
13) Acenaphthene-d10	14.645	164	6393	0.400	ng		0.00
19) Phenanthrene-d10	17.390	188	14199	0.400	ng		0.00
29) Chrysene-d12	21.580	240	12065	0.400	ng		0.00
35) Perylene-d12	24.050	264	9274	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.522	112	3660	0.383	ng		0.00
5) Phenol-d6	7.147	99	4250	0.362	ng		0.00
8) Nitrobenzene-d5	9.153	82	3441	0.382	ng		0.00
11) 2-Methylnaphthalene-d10	12.401	152	6006	0.358	ng		0.00
14) 2,4,6-Tribromophenol	16.136	330	1017	0.325	ng		0.00
15) 2-Fluorobiphenyl	13.266	172	10508	0.415	ng		0.00
27) Fluoranthene-d10	19.422	212	13199	0.380	ng		0.00
31) Terphenyl-d14	20.022	244	7339	0.261	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.355	88	1859	0.447	ng		100
3) n-Nitrosodimethylamine	3.694	42	2160	0.431	ng		100
6) bis(2-Chloroethyl)ether	7.407	93	4694	0.412	ng		100
9) Naphthalene	10.861	128	11861	0.403	ng		100
10) Hexachlorobutadiene	11.149	225	2417	0.408	ng	#	100
12) 2-Methylnaphthalene	12.473	142	8323	0.393	ng		100
16) Acenaphthylene	14.356	152	9466	0.356	ng		100
17) Acenaphthene	14.698	154	7078	0.396	ng		100
18) Fluorene	15.692	166	10156	0.408	ng		100
20) 4,6-Dinitro-2-methylph...	15.776	198	793	0.359	ng		100
21) 4-Bromophenyl-phenylether	16.583	248	3135	0.376	ng		100
22) Hexachlorobenzene	16.694	284	3878	0.386	ng		100
23) Atrazine	16.856	200	2229	0.346	ng		100
24) Pentachlorophenol	17.042	266	1122	0.302	ng		100
25) Phenanthrene	17.427	178	16174	0.400	ng		100
26) Anthracene	17.526	178	12402	0.369	ng		100
28) Fluoranthene	19.452	202	17784	0.391	ng		100
30) Pyrene	19.814	202	17644	0.392	ng		100
32) Benzo(a)anthracene	21.562	228	14673	0.365	ng		100
33) Chrysene	21.616	228	17258	0.418	ng		100
34) Bis(2-ethylhexyl)phtha...	21.482	149	6470	0.262	ng		100
36) Indeno(1,2,3-cd)pyrene	26.641	276	15033	0.434	ng		100
37) Benzo(b)fluoranthene	23.290	252	15105	0.424	ng		100
38) Benzo(k)fluoranthene	23.340	252	15063	0.430	ng		100
39) Benzo(a)pyrene	23.936	252	10550	0.388	ng		100
40) Dibenzo(a,h)anthracene	26.661	278	12004	0.455	ng		100
41) Benzo(g,h,i)perylene	27.442	276	12973	0.425	ng		100

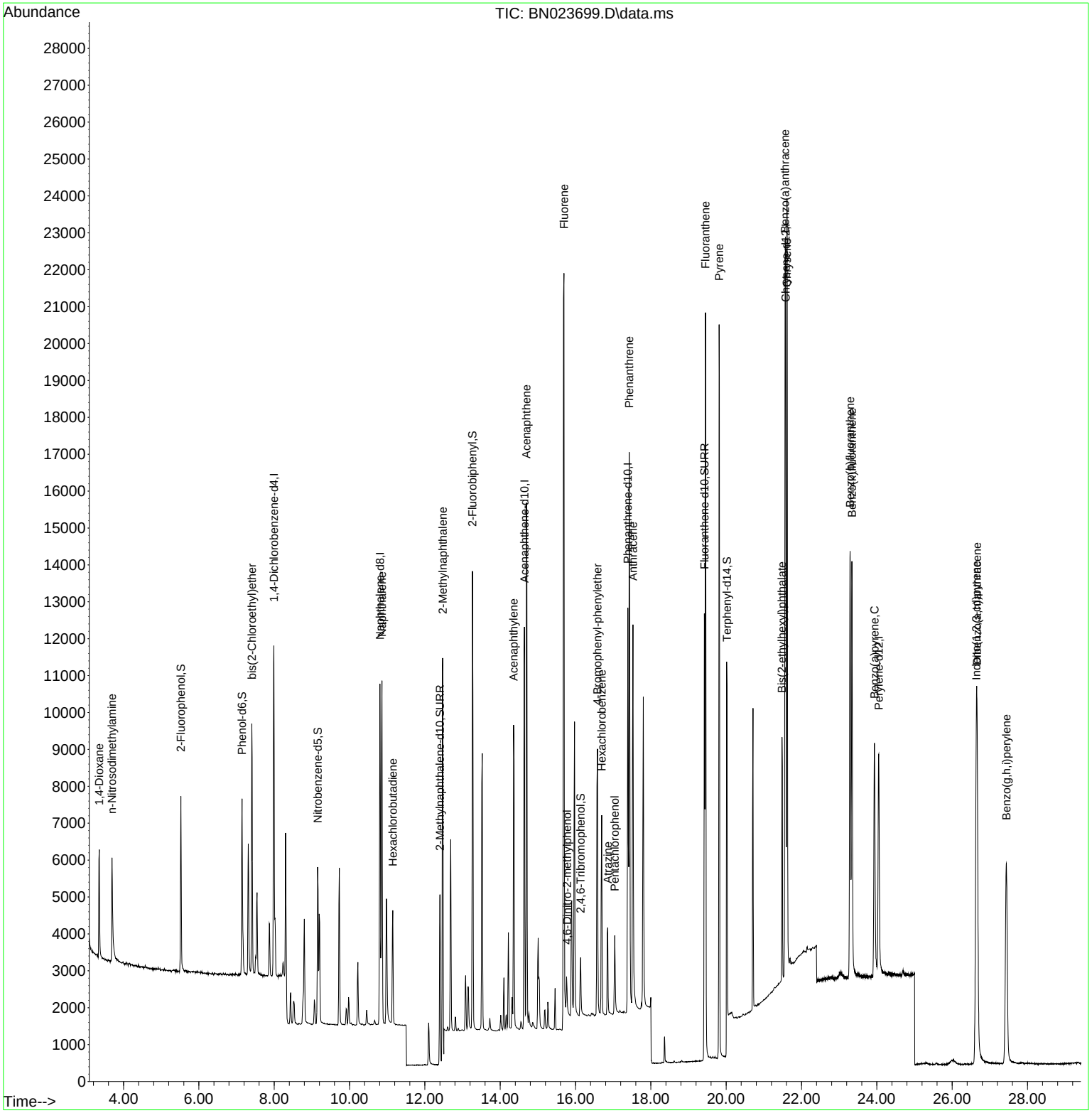
(#) = qualifier out of range (m) = manual integration (+) = signals summed

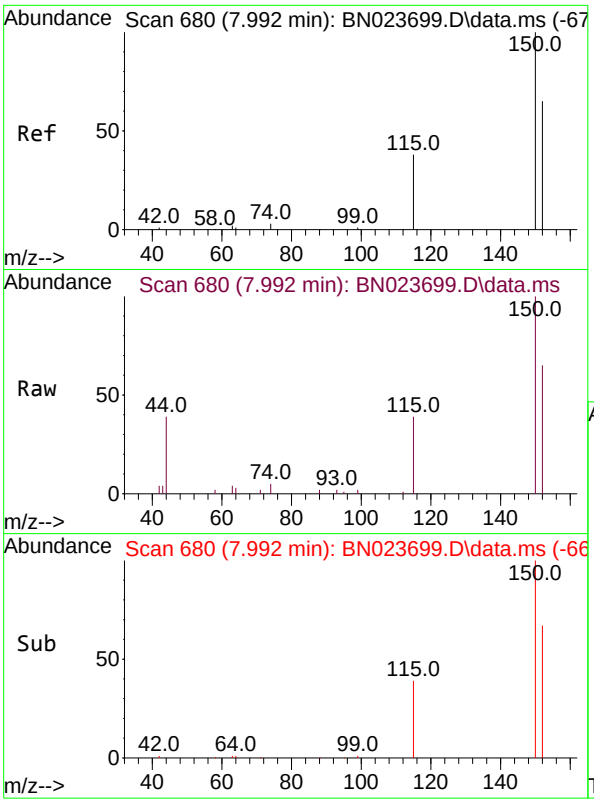
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN011823\
Data File : BN023699.D
Acq On : 18 Jan 2023 12:35
Operator : CG/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Quant Time: Jan 18 13:50:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN011823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 18 13:48:27 2023
Response via : Initial Calibration



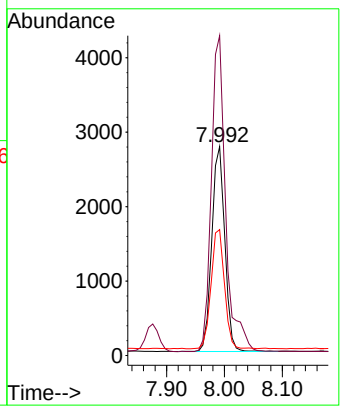


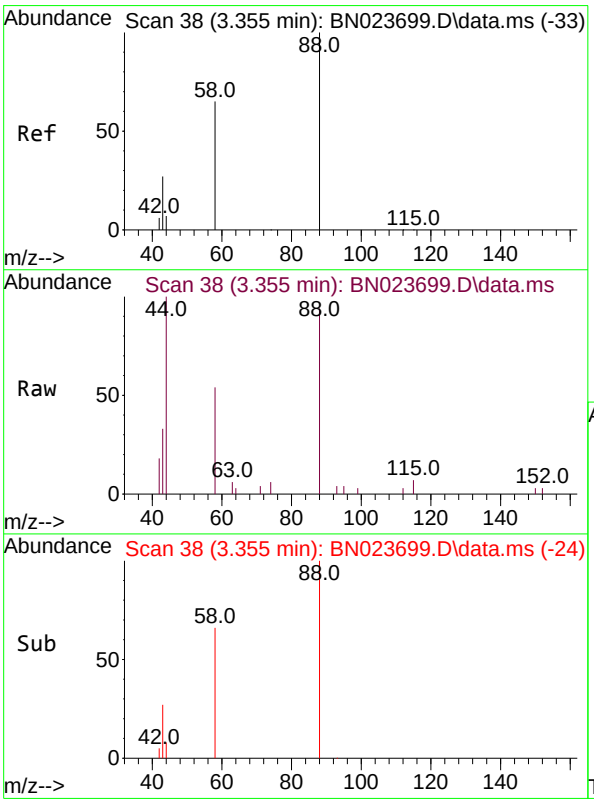
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.992 min Scan# 68
Delta R.T. -0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 4319

Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.4	183.6
115	60.3	48.2	72.4

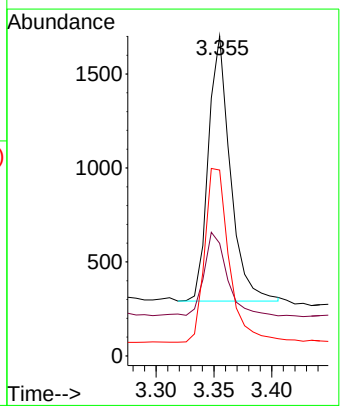


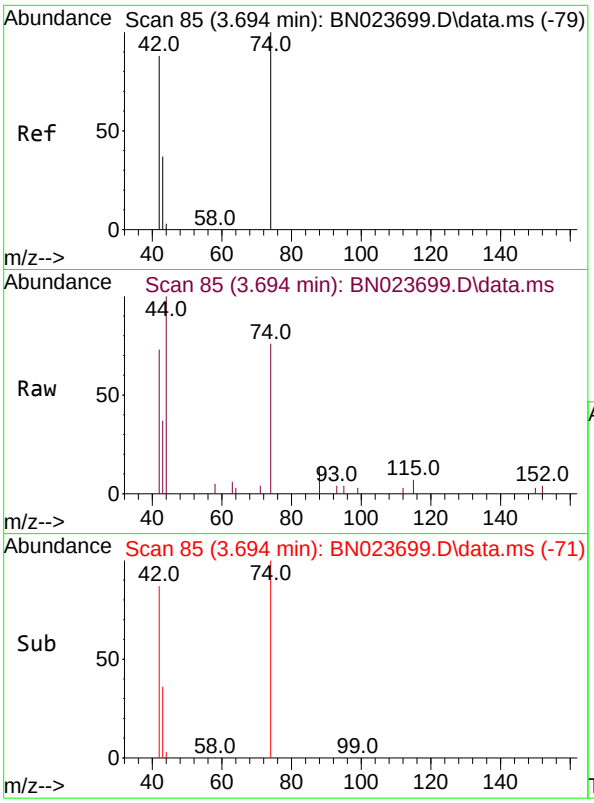


#2
1,4-Dioxane
Concen: 0.447 ng
RT: 3.355 min Scan# 38
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion: 88 Resp: 1859

Ion	Ratio	Lower	Upper
88	100		
43	33.5	26.8	40.2
58	73.1	58.5	87.7



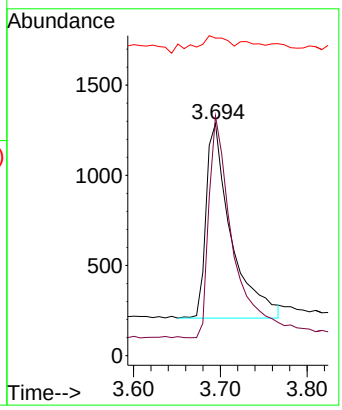


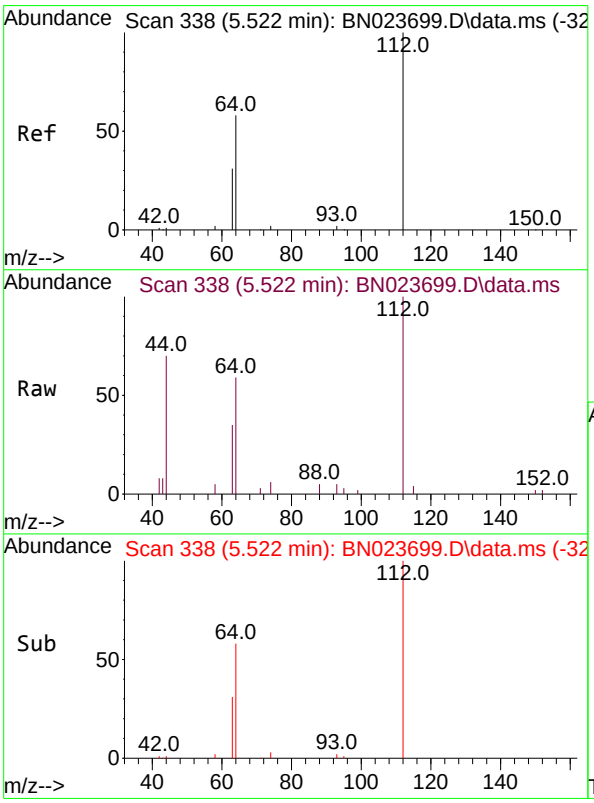
#3
n-Nitrosodimethylamine
Concen: 0.431 ng
RT: 3.694 min Scan# 8
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 2160

Ion	Ratio	Lower	Upper
42	100		
74	109.3	87.4	131.2
44	11.8	9.4	14.2

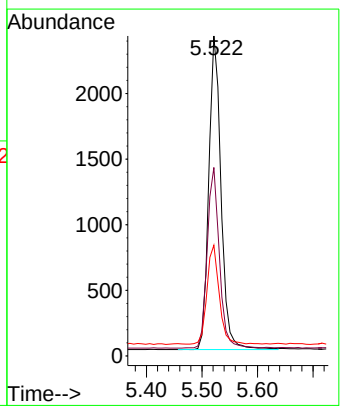


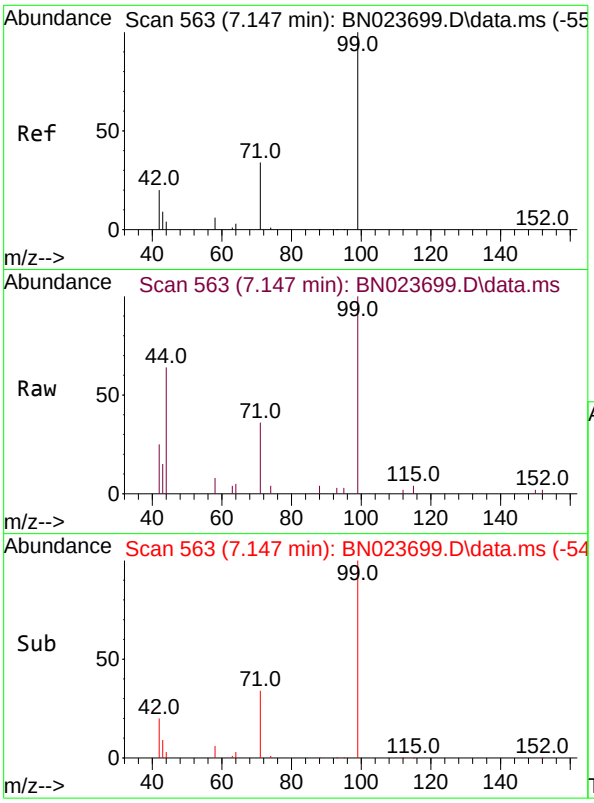


#4
2-Fluorophenol
Concen: 0.383 ng
RT: 5.522 min Scan# 338
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:112 Resp: 3660

Ion	Ratio	Lower	Upper
112	100		
64	57.3	45.8	68.8
63	31.6	25.3	37.9



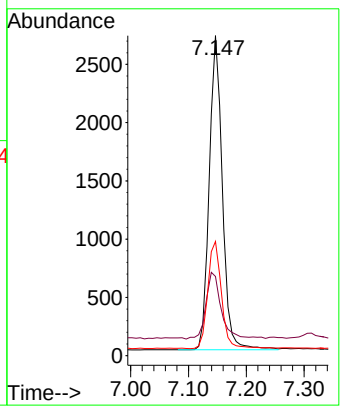


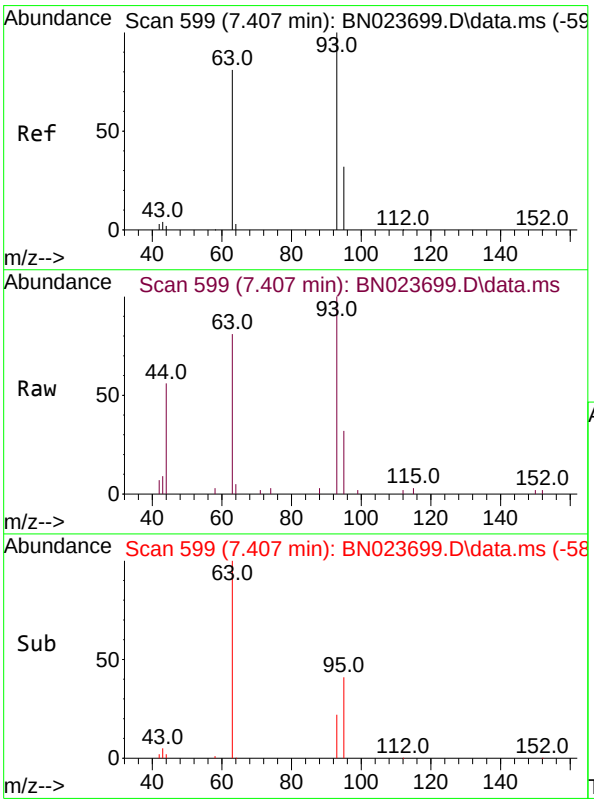
#5
Phenol-d6
Concen: 0.362 ng
RT: 7.147 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 4250

Ion	Ratio	Lower	Upper
99	100		
42	24.2	19.4	29.0
71	35.9	28.7	43.1

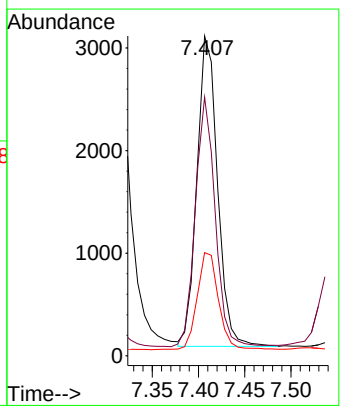


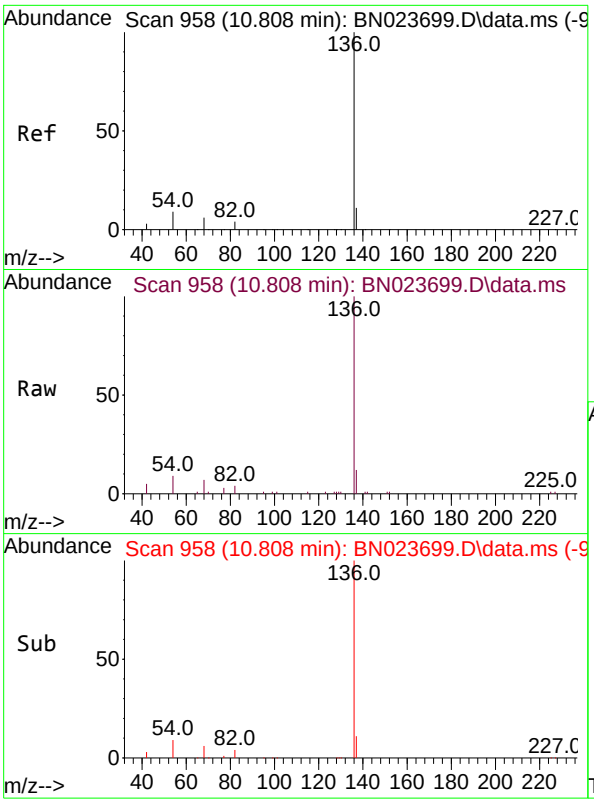


#6
bis(2-Chloroethyl)ether
Concen: 0.412 ng
RT: 7.407 min Scan# 599
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion: 93 Resp: 4694

Ion	Ratio	Lower	Upper
93	100		
63	77.2	61.8	92.6
95	32.4	25.9	38.9



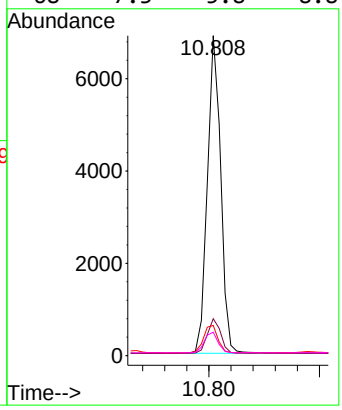


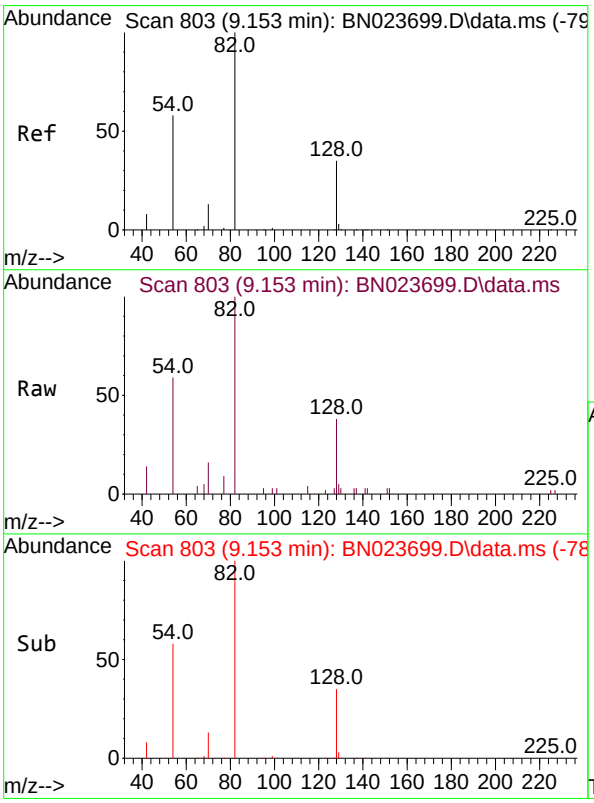
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.808 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 11508

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	9.4	7.5	11.3
68	7.3	5.8	8.8

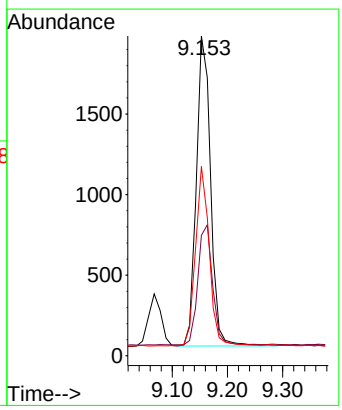


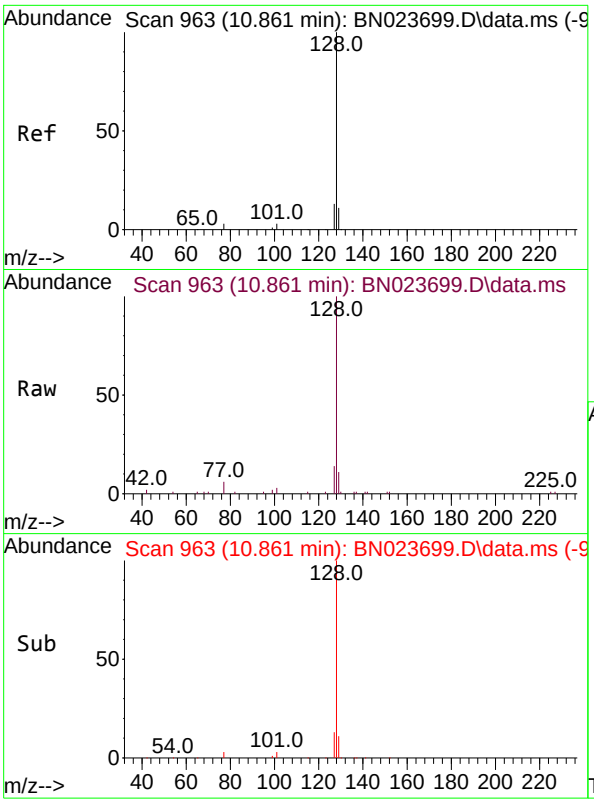


#8
Nitrobenzene-d5
Concen: 0.382 ng
RT: 9.153 min Scan# 803
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion: 82 Resp: 3441

Ion	Ratio	Lower	Upper
82	100		
128	37.7	30.2	45.2
54	59.1	47.3	70.9



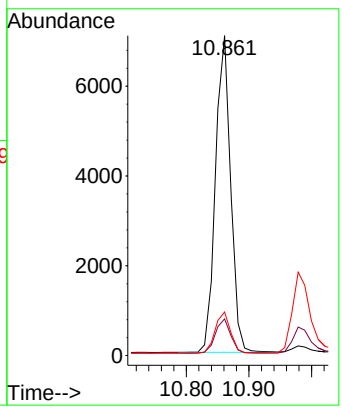


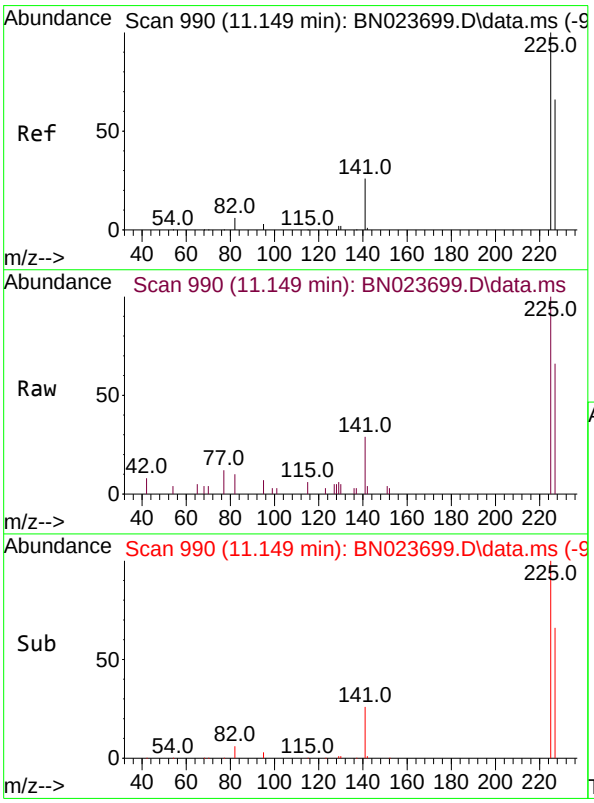
#9
Naphthalene
Concen: 0.403 ng
RT: 10.861 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 11861

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.6	10.9	16.3

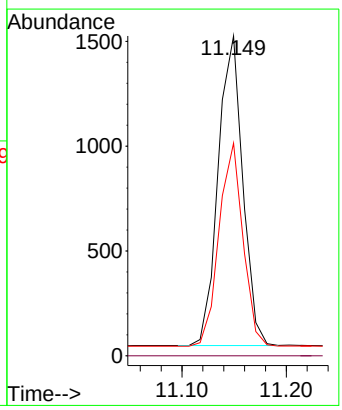


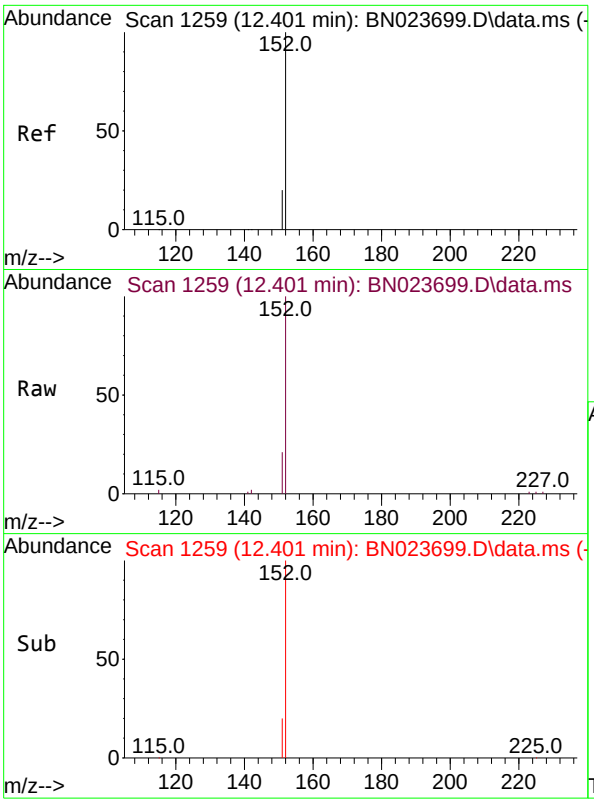


#10
Hexachlorobutadiene
Concen: 0.408 ng
RT: 11.149 min Scan# 990
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:225 Resp: 2417

Ion	Ratio	Lower	Upper
225	100		
223	0.0	0.0	0.0
227	63.8	51.0	76.6



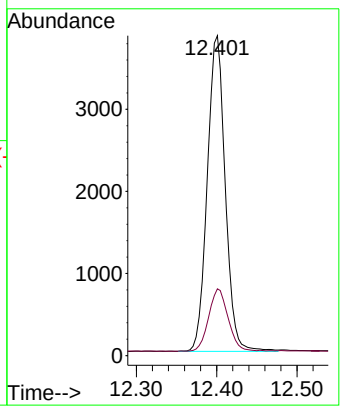


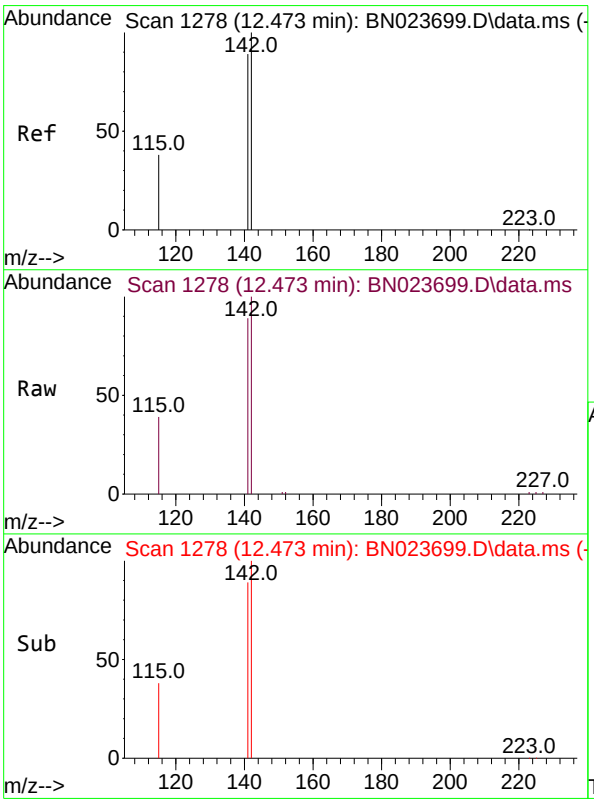
#11
2-Methylnaphthalene-d10
Concen: 0.358 ng
RT: 12.401 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 6006

Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.1	25.7

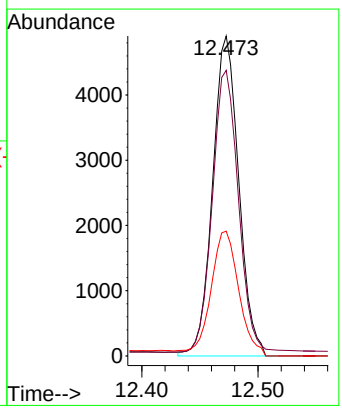


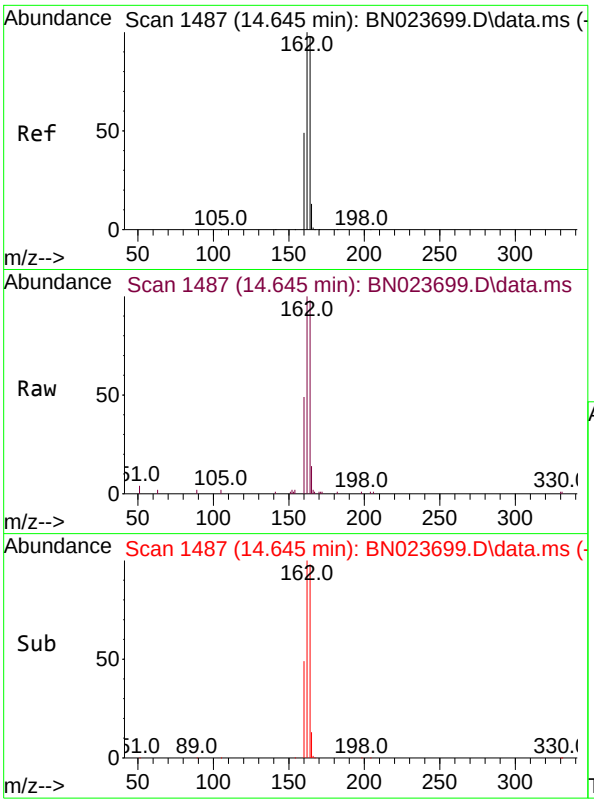


#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 12.473 min Scan# 1278
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:142 Resp: 8323

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.4	107.0
115	39.0	31.2	46.8



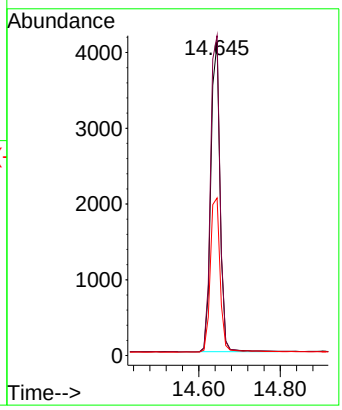


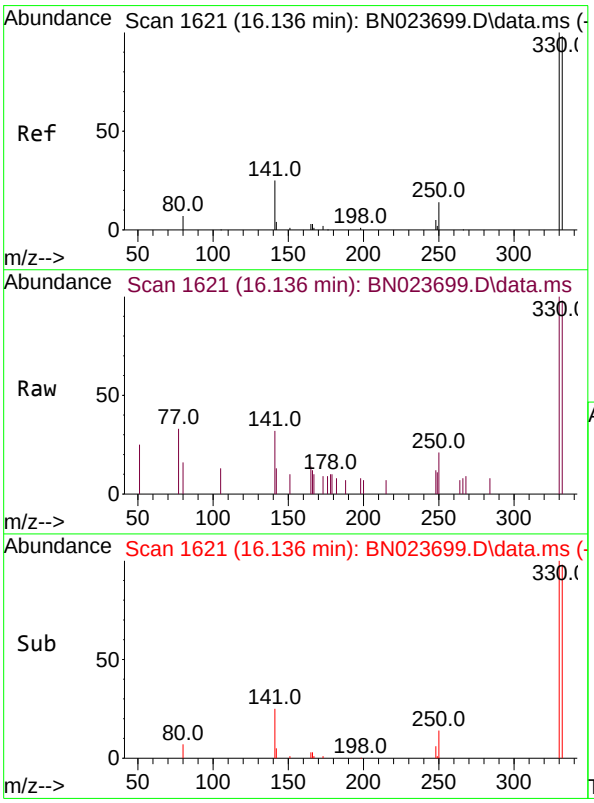
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 6393

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	50.4	40.3	60.5

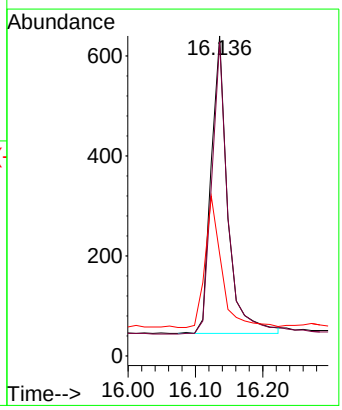


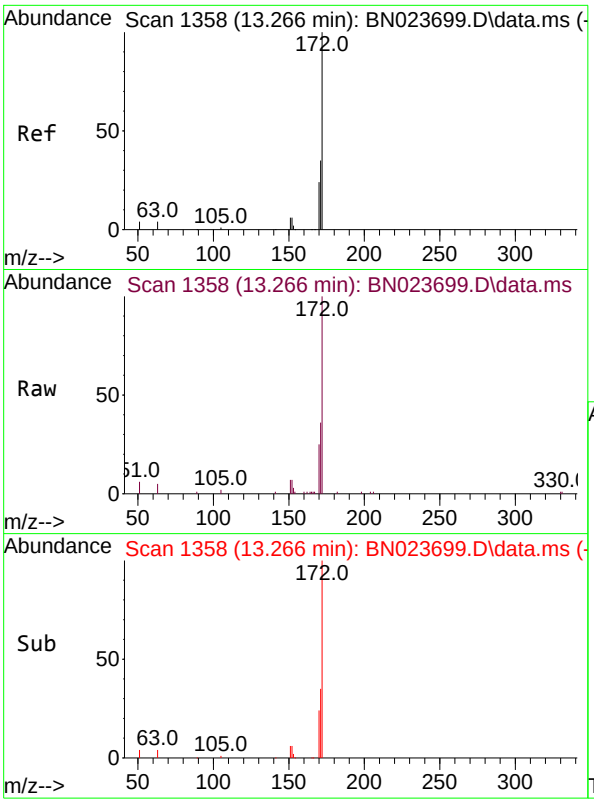


#14
2,4,6-Tribromophenol
Concen: 0.325 ng
RT: 16.136 min Scan# 1621
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:330 Resp: 1017

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	43.7	35.0	52.4



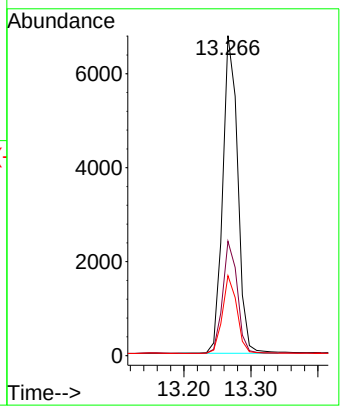


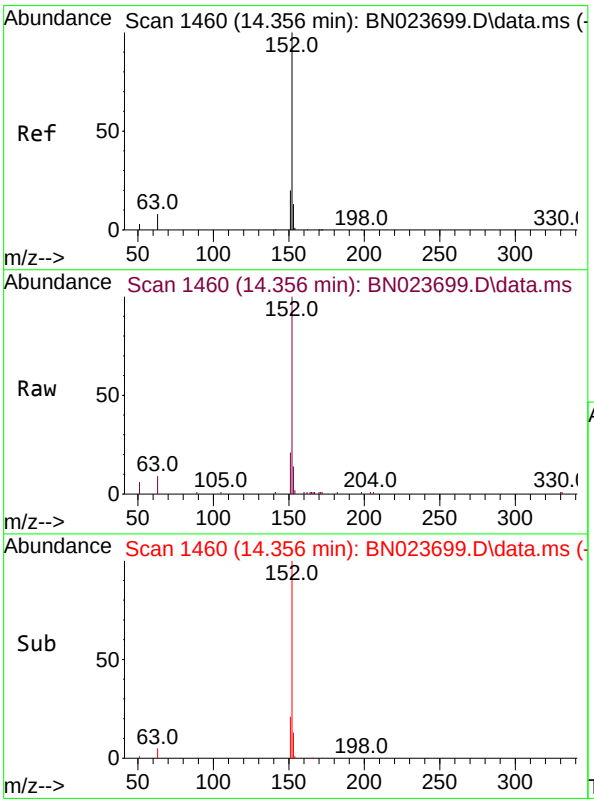
#15
2-Fluorobiphenyl
Concen: 0.415 ng
RT: 13.266 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 10508

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	25.0	20.0	30.0

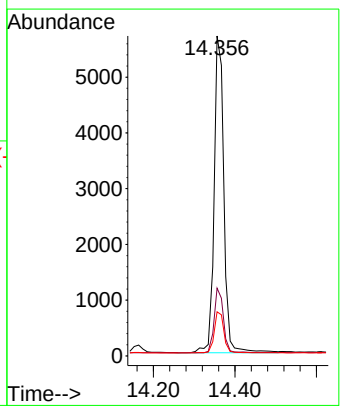


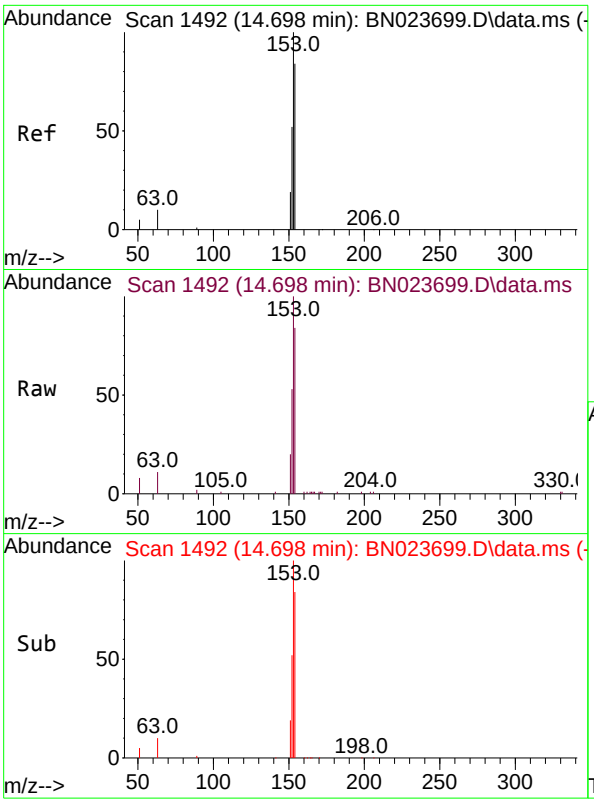


#16
Acenaphthylene
Concen: 0.356 ng
RT: 14.356 min Scan# 1460
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:152 Resp: 9466

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.4	15.6



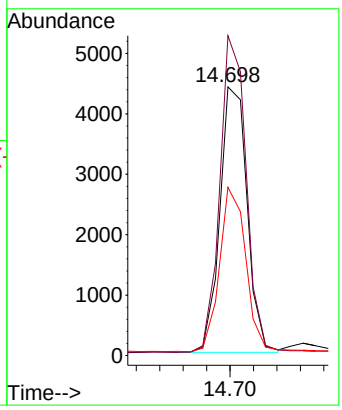


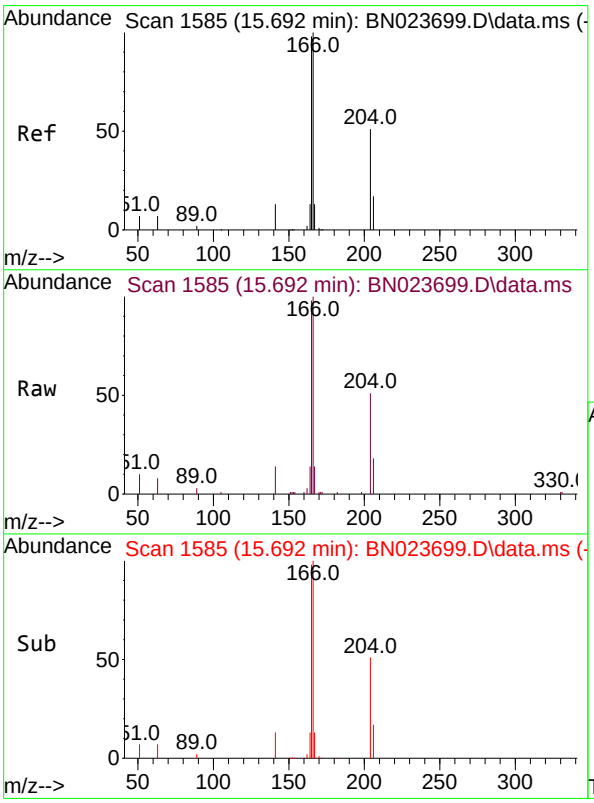
#17
Acenaphthene
Concen: 0.396 ng
RT: 14.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 7078

Ion	Ratio	Lower	Upper
154	100		
153	116.6	93.3	139.9
152	60.1	48.1	72.1

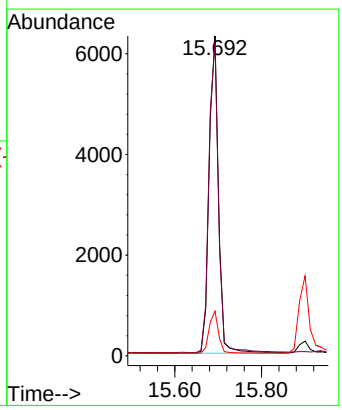


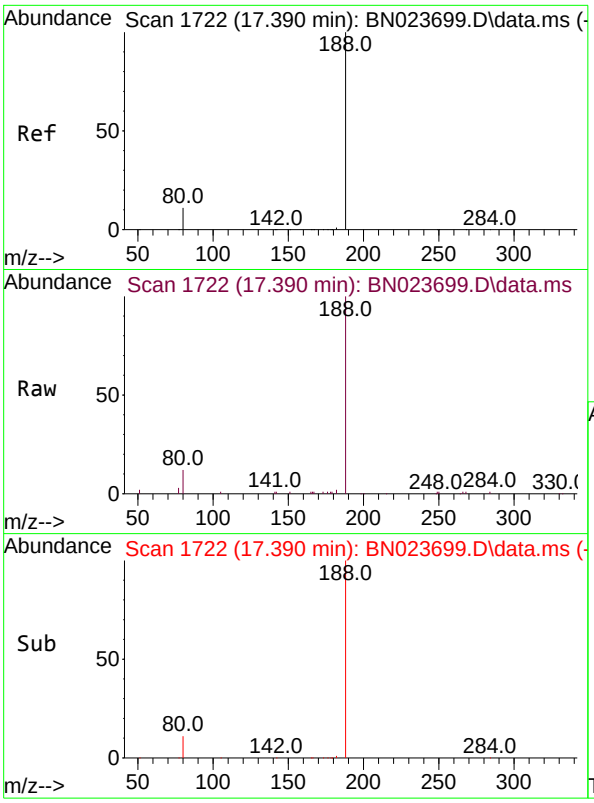


#18
Fluorene
Concen: 0.408 ng
RT: 15.692 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:166 Resp: 10156

Ion	Ratio	Lower	Upper
166	100		
165	100.8	80.6	121.0
167	13.5	10.8	16.2



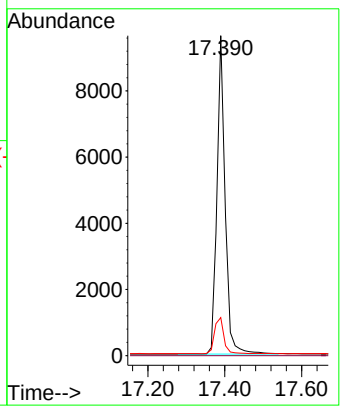


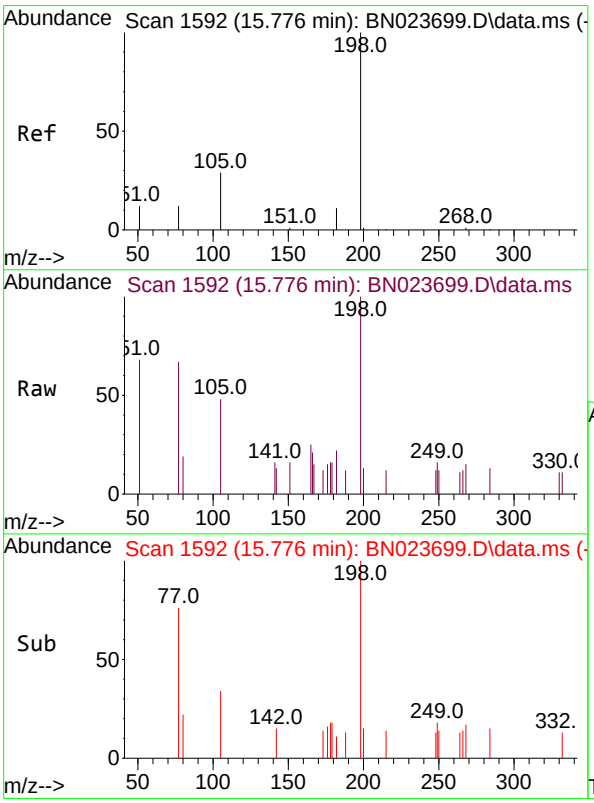
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.390 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 14199

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.9	9.5	14.3

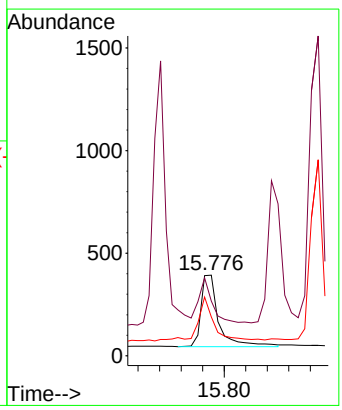


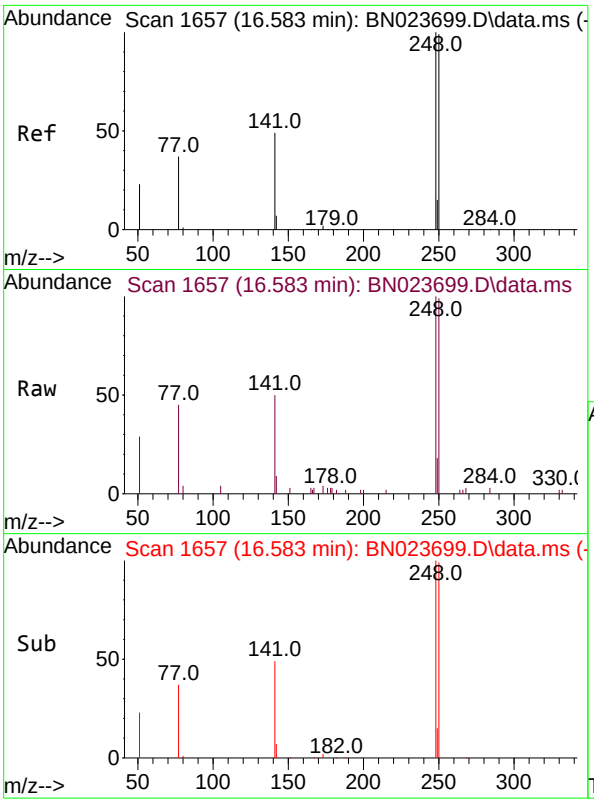


#20
4,6-Dinitro-2-methylphenol
Concen: 0.359 ng
RT: 15.776 min Scan# 1592
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:198 Resp: 793

Ion	Ratio	Lower	Upper
198	100		
51	67.9	54.3	81.5
105	48.3	38.6	58.0



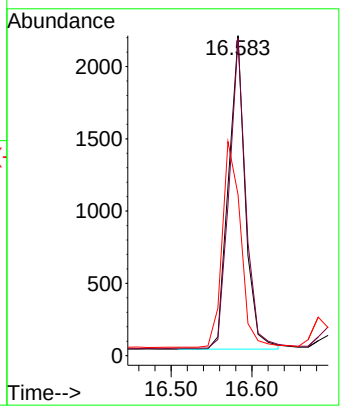


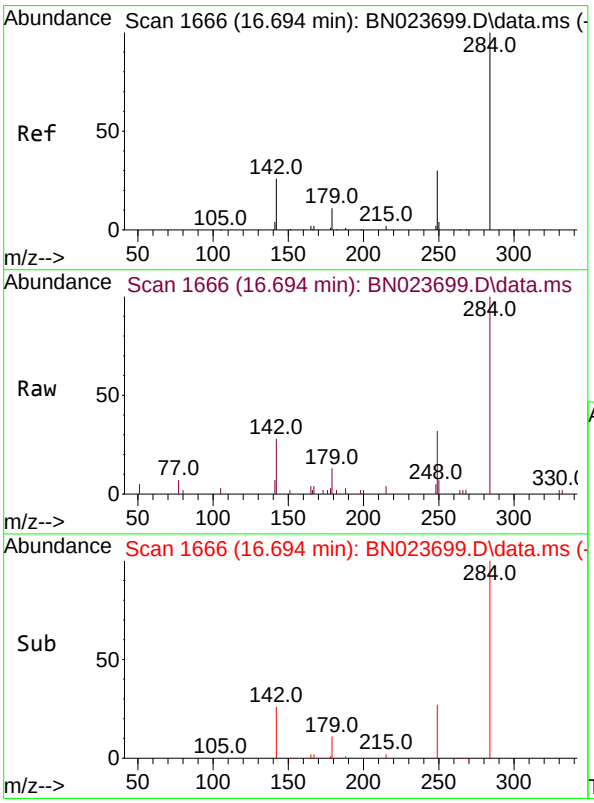
#21
4-Bromophenyl-phenylether
Concen: 0.376 ng
RT: 16.583 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:248 Resp: 3135

Ion	Ratio	Lower	Upper
248	100		
250	99.2	79.4	119.0
141	50.3	40.2	60.4

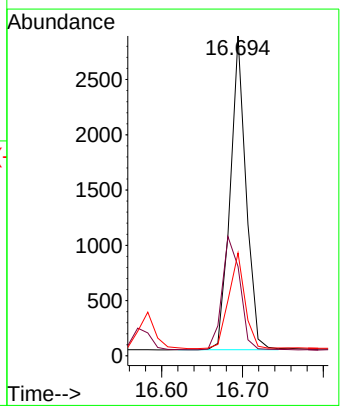


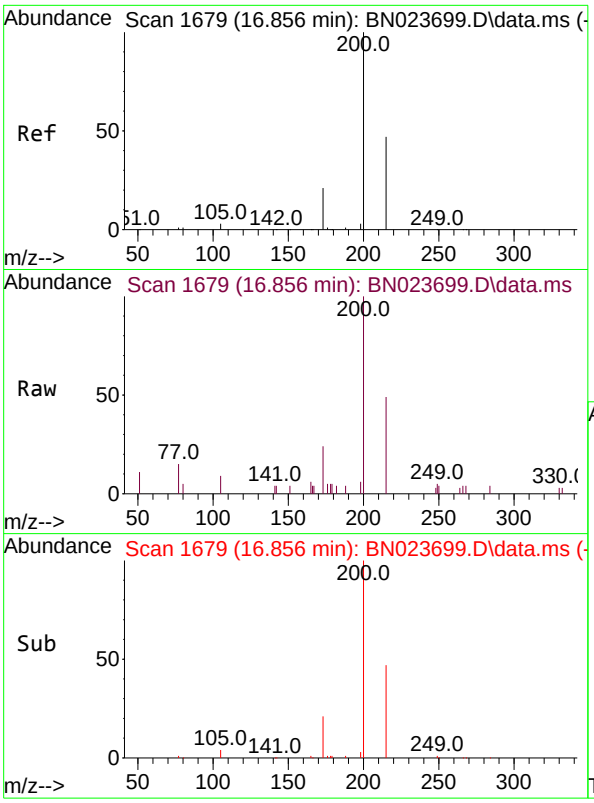


#22
Hexachlorobenzene
Concen: 0.386 ng
RT: 16.694 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:284 Resp: 3878

Ion	Ratio	Lower	Upper
284	100		
142	40.4	32.3	48.5
249	31.2	25.0	37.4



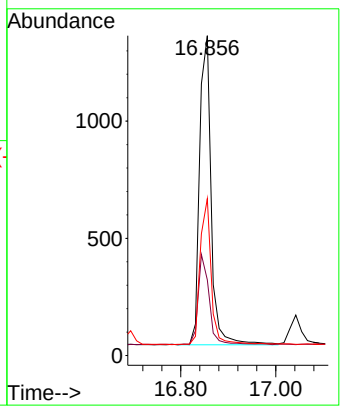


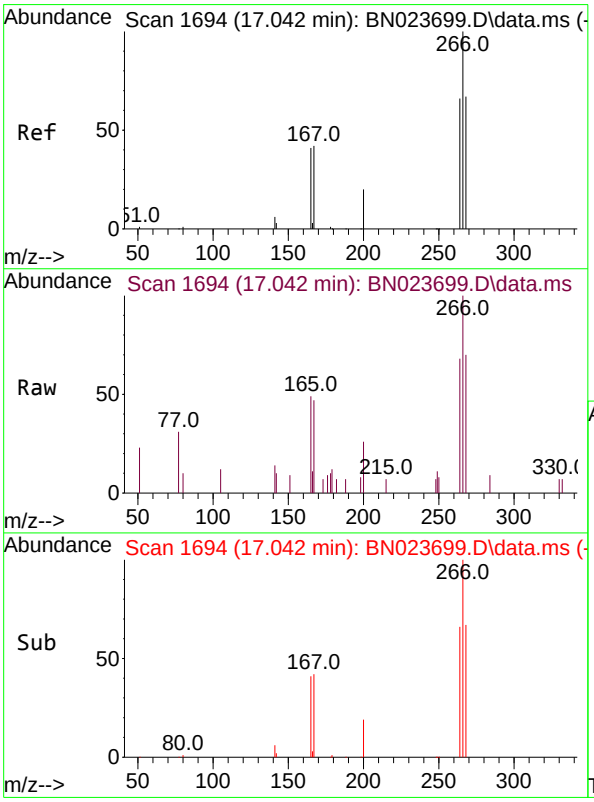
#23
Atrazine
Concen: 0.346 ng
RT: 16.856 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:200 Resp: 2229

Ion	Ratio	Lower	Upper
200	100		
173	23.7	19.0	28.4
215	49.0	39.2	58.8

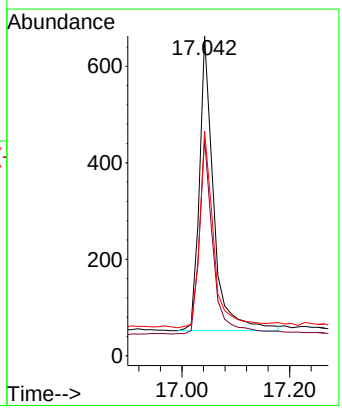


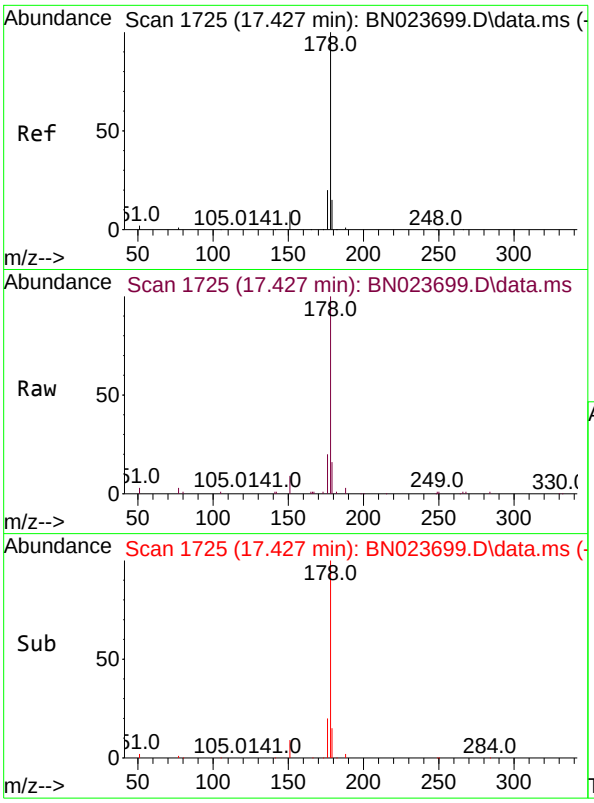


#24
Pentachlorophenol
Concen: 0.302 ng
RT: 17.042 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:266 Resp: 1122

Ion	Ratio	Lower	Upper
266	100		
264	64.3	51.4	77.2
268	65.4	52.3	78.5



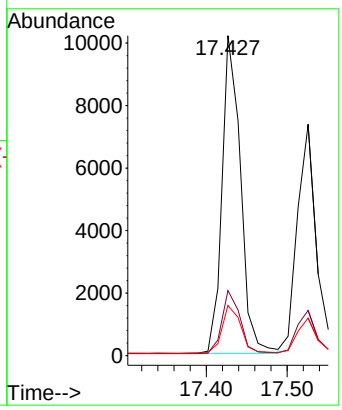


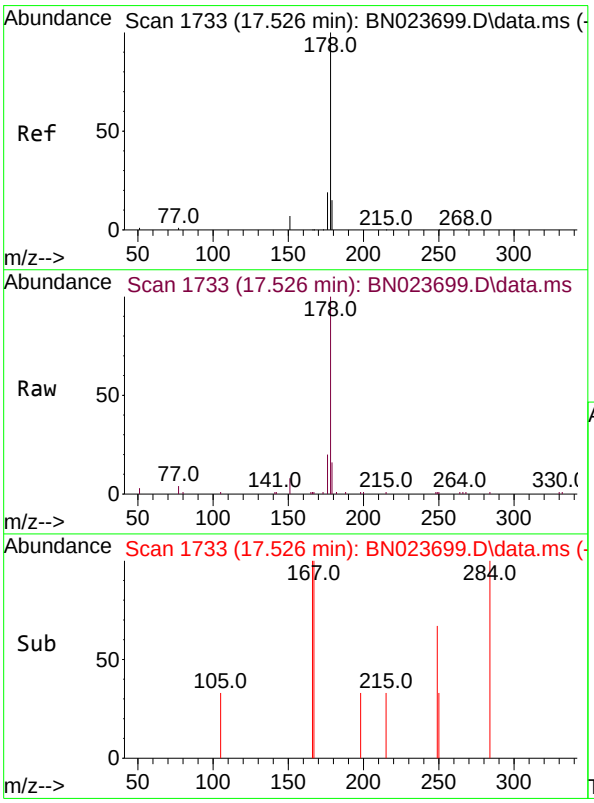
#25
Phenanthrene
Concen: 0.400 ng
RT: 17.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 16174

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.3	12.2	18.4

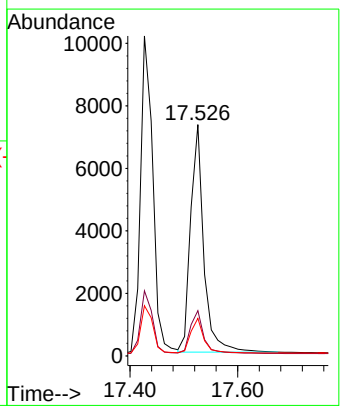


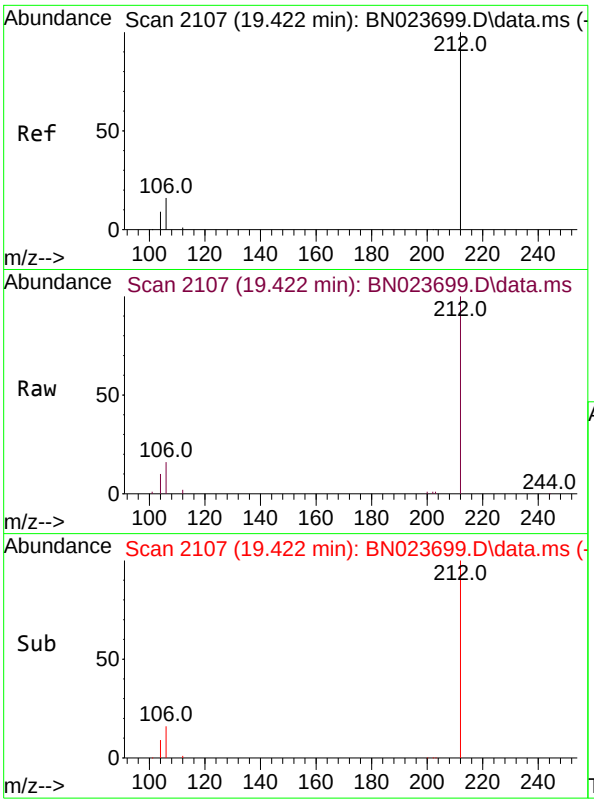


#26
Anthracene
Concen: 0.369 ng
RT: 17.526 min Scan# 1733
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:178 Resp: 12402

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.0	12.0	18.0



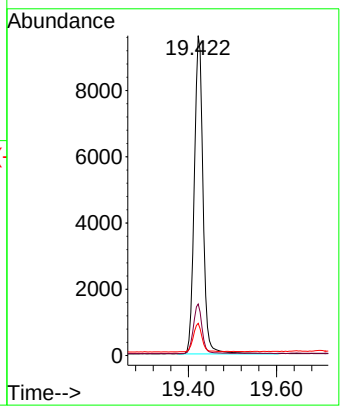


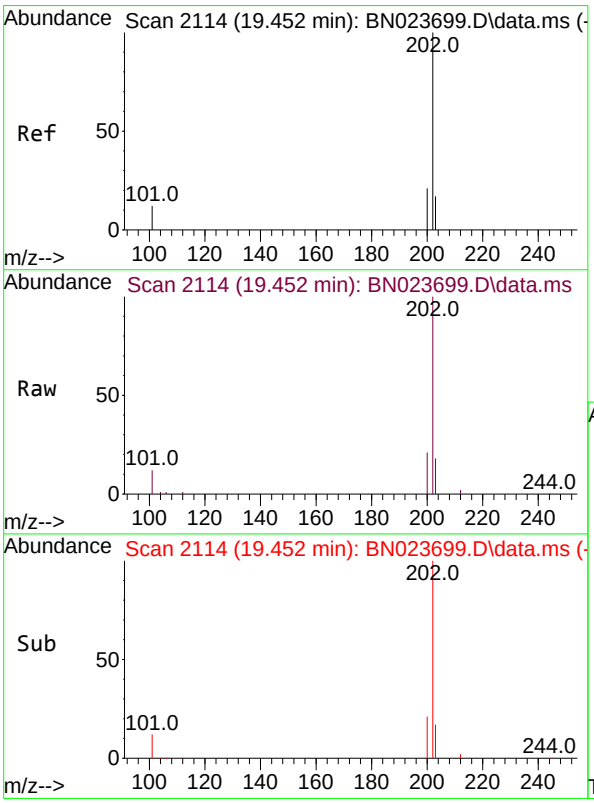
#27
Fluoranthene-d10
Concen: 0.380 ng
RT: 19.422 min Scan# 21
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 13199

Ion	Ratio	Lower	Upper
212	100		
106	15.5	12.4	18.6
104	8.9	7.1	10.7

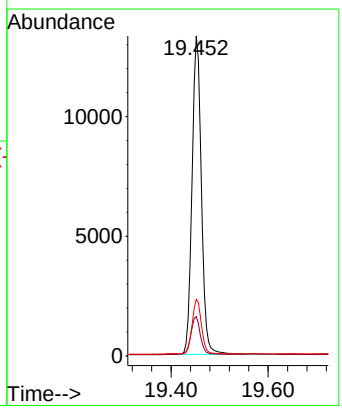


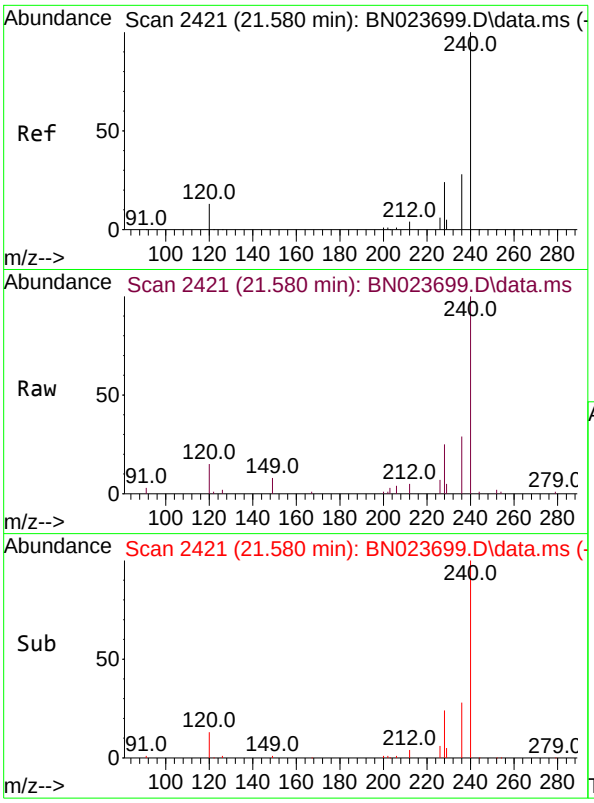


#28
Fluoranthene
Concen: 0.391 ng
RT: 19.452 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:202 Resp: 17784

Ion	Ratio	Lower	Upper
202	100		
101	12.1	9.7	14.5
203	17.0	13.6	20.4



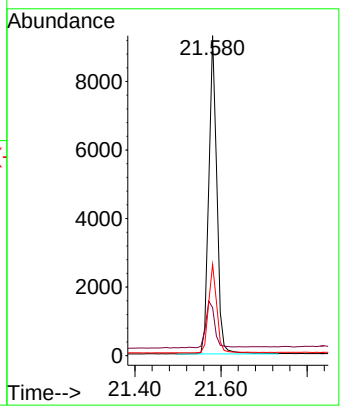


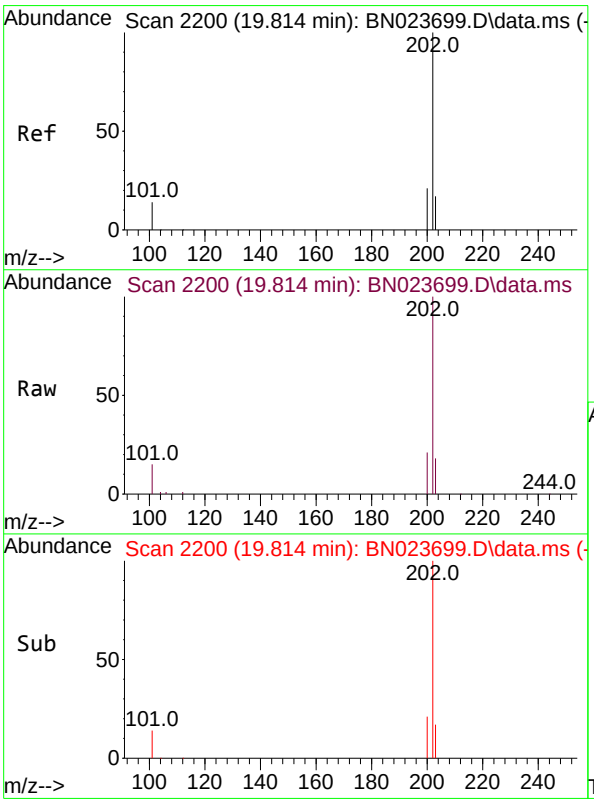
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.580 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 12065

Ion	Ratio	Lower	Upper
240	100		
120	15.0	12.0	18.0
236	28.5	22.8	34.2

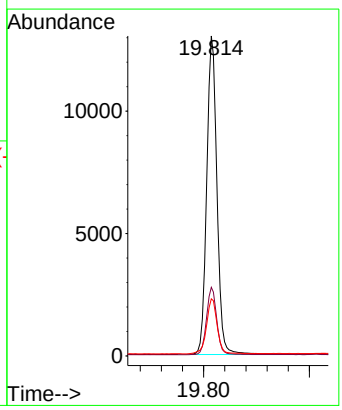


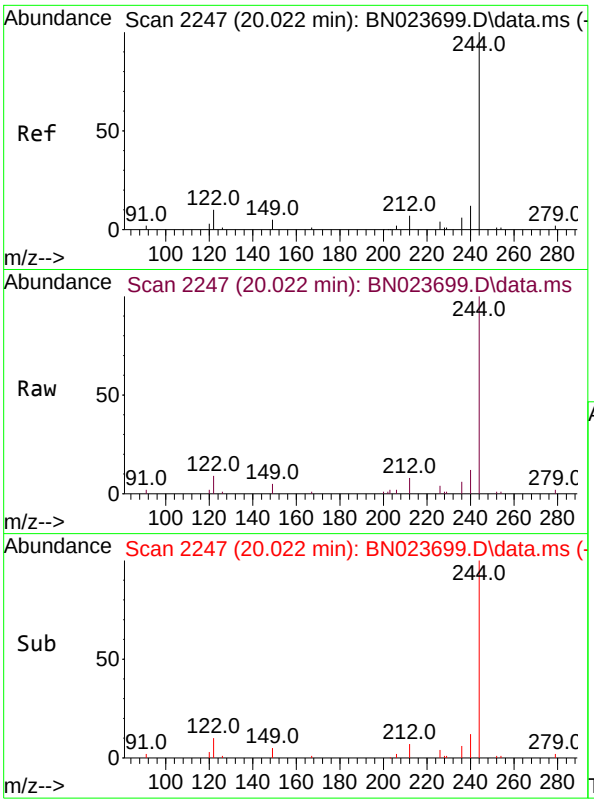


#30
Pyrene
Concen: 0.392 ng
RT: 19.814 min Scan# 2200
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:202 Resp: 17644

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.9	25.3
203	18.0	14.4	21.6



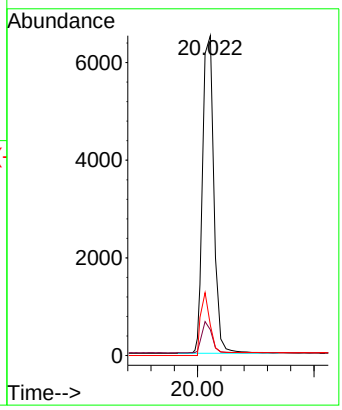


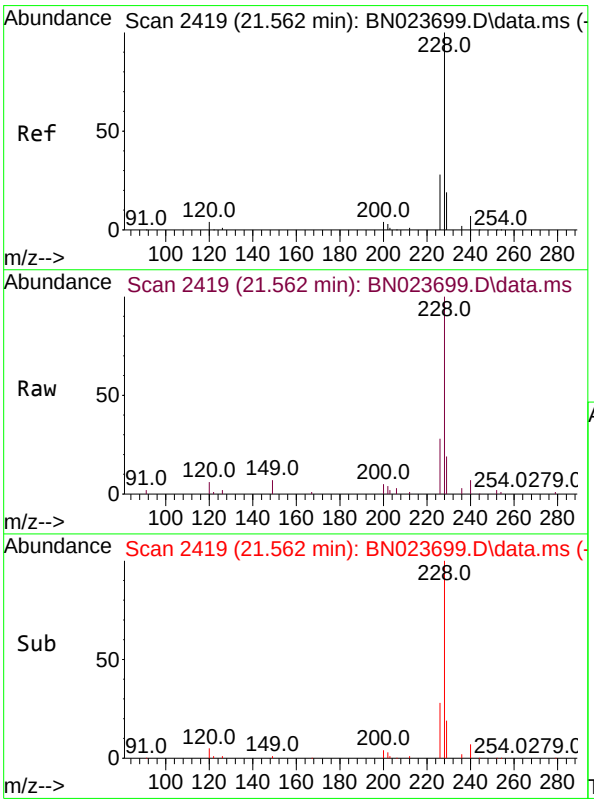
#31
Terphenyl-d14
Concen: 0.261 ng
RT: 20.022 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 7339

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	9.5	7.6	11.4

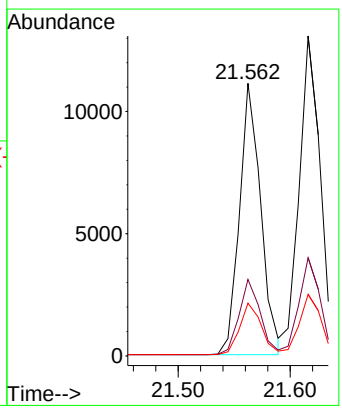


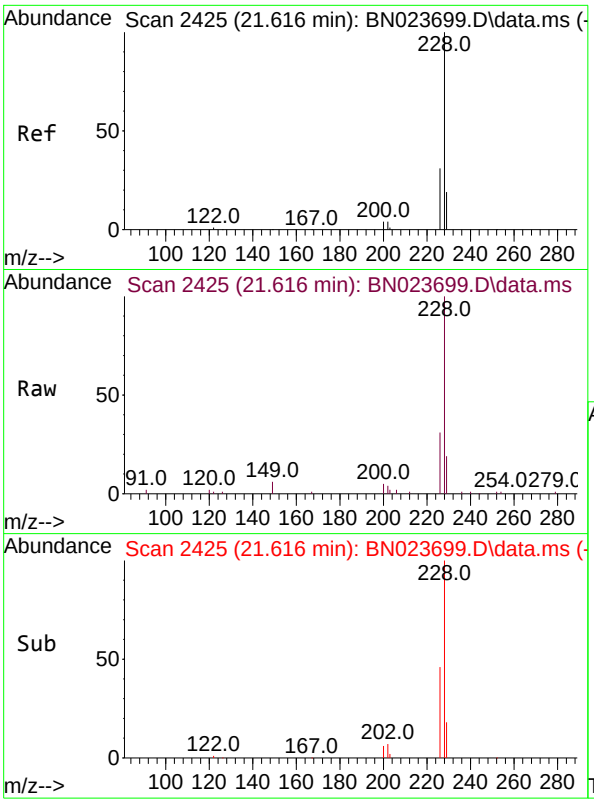


#32
Benzo(a)anthracene
Concen: 0.365 ng
RT: 21.562 min Scan# 2419
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:228 Resp: 14673

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.4	33.6
229	19.4	15.5	23.3



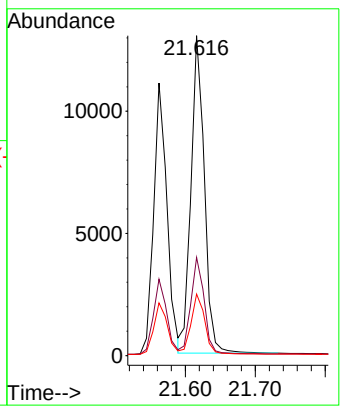


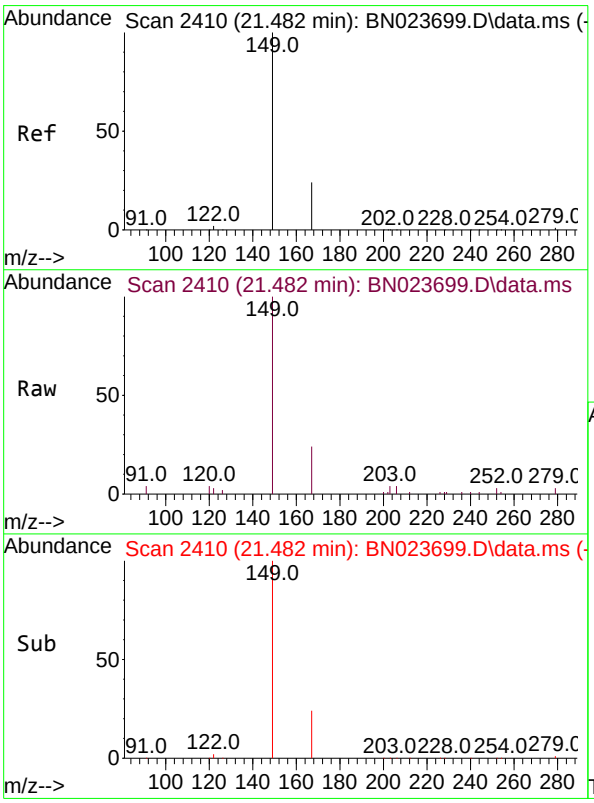
#33
Chrysene
Concen: 0.418 ng
RT: 21.616 min Scan# 24
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 17258

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.6	36.8
229	19.2	15.4	23.0

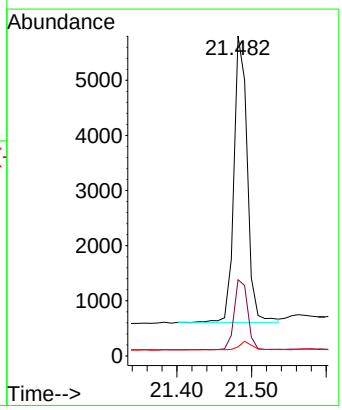


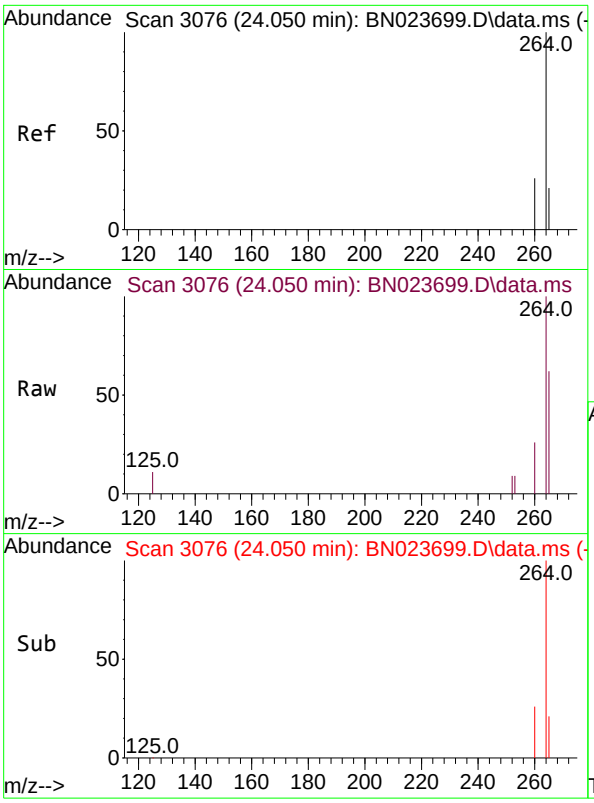


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.262 ng
RT: 21.482 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:149 Resp: 6470

Ion	Ratio	Lower	Upper
149	100		
167	24.8	19.8	29.8
279	3.1	2.5	3.7



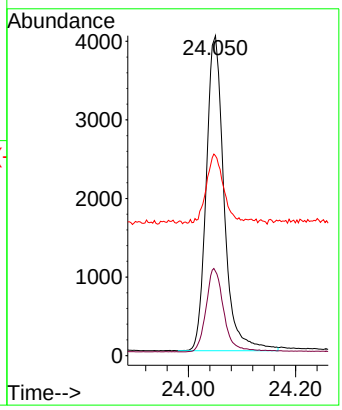


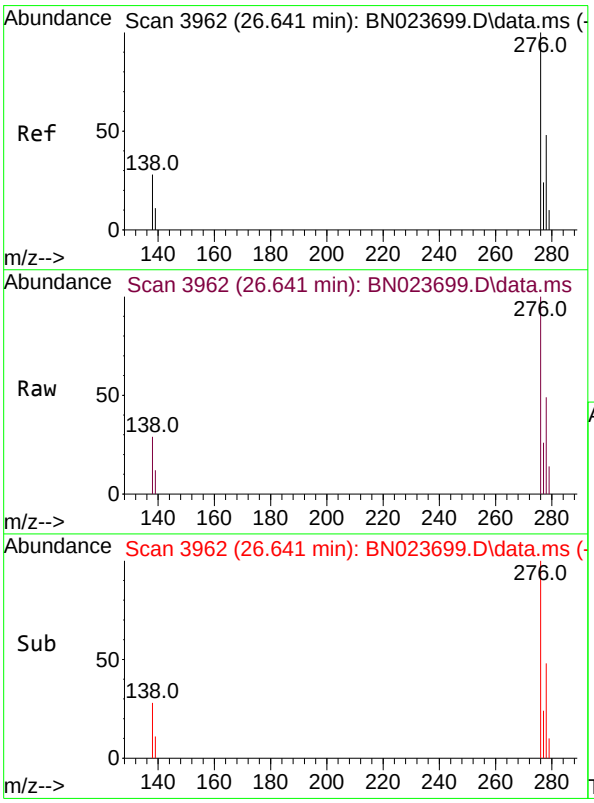
#35
Perylene-d12
Concen: 0.400 ng
RT: 24.050 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:264 Resp: 9274

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.0	31.6
265	62.4	49.9	74.9

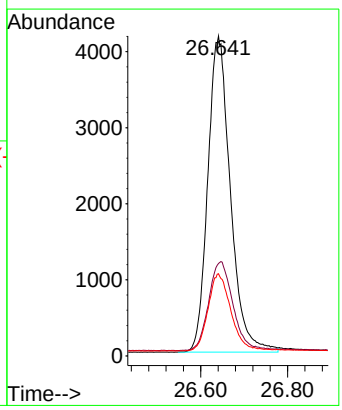


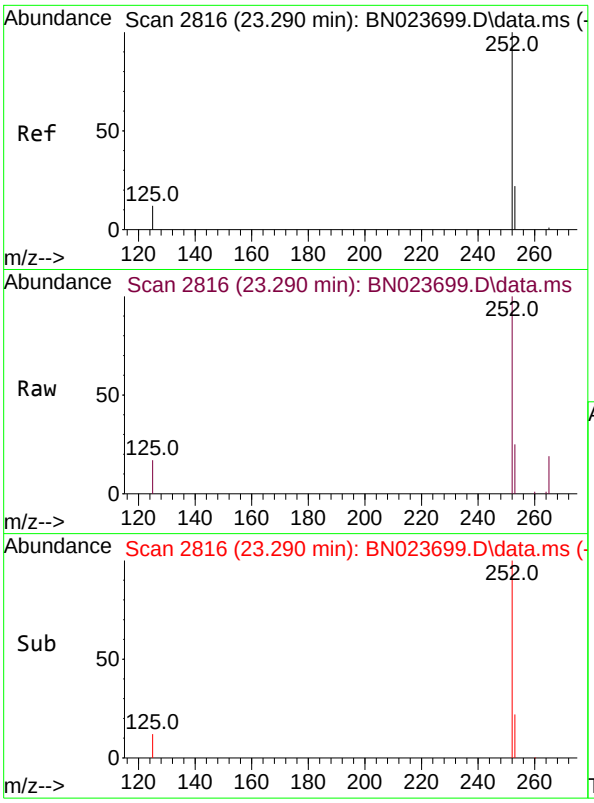


#36
Indeno(1,2,3-cd)pyrene
Concen: 0.434 ng
RT: 26.641 min Scan# 3962
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:276 Resp: 15033

Ion	Ratio	Lower	Upper
276	100		
138	30.0	24.0	36.0
277	24.8	19.8	29.8



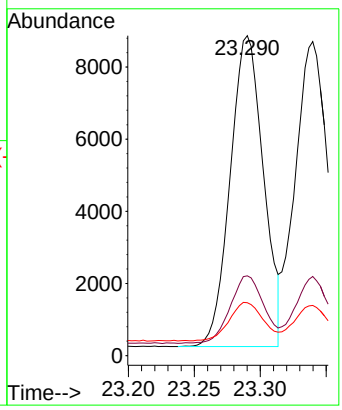


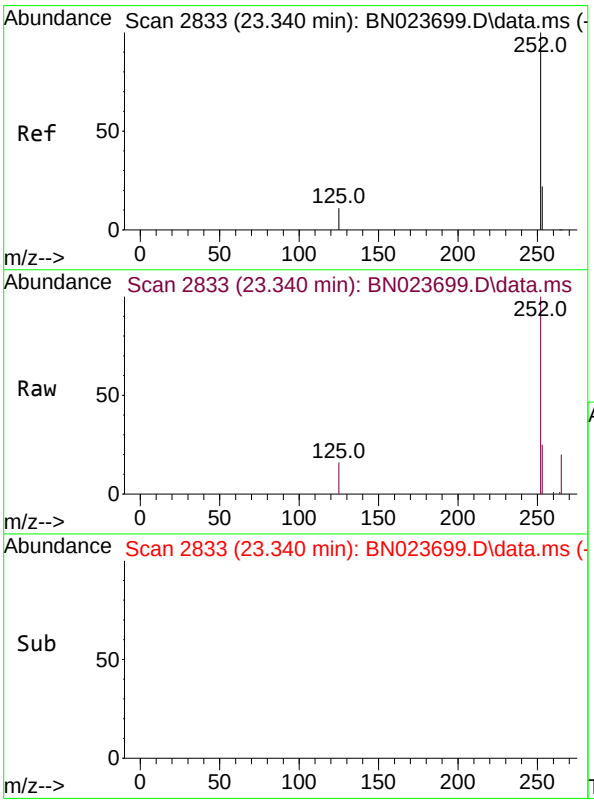
#37
Benzo(b)fluoranthene
Concen: 0.424 ng
RT: 23.290 min Scan# 28
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 15105

Ion	Ratio	Lower	Upper
252	100		
253	24.9	19.9	29.9
125	16.5	13.2	19.8

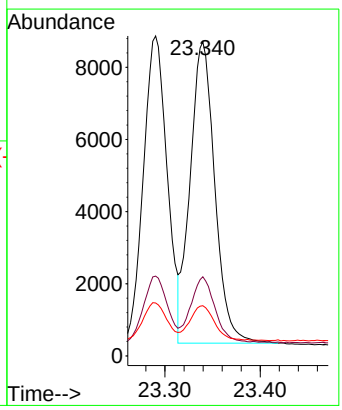


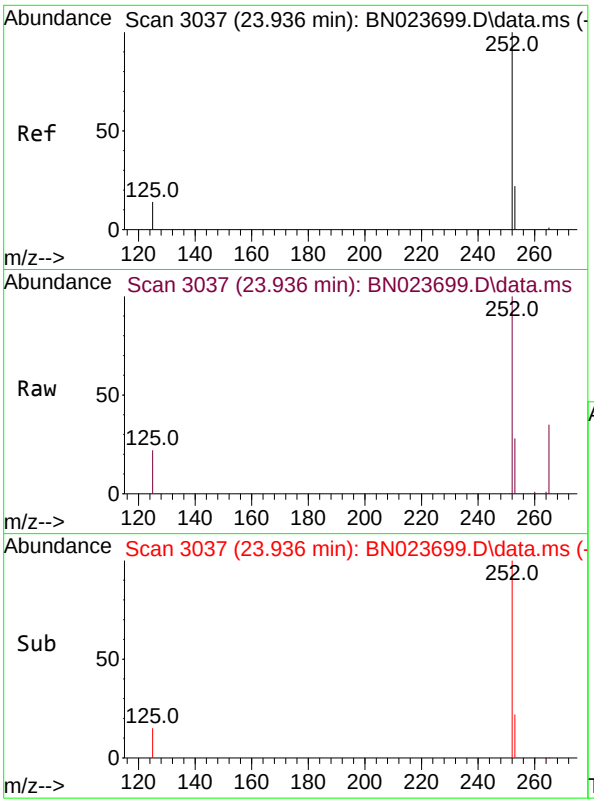


#38
Benzo(k)fluoranthene
Concen: 0.430 ng
RT: 23.340 min Scan# 2833
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:252 Resp: 15063

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.2	30.2
125	16.0	12.8	19.2



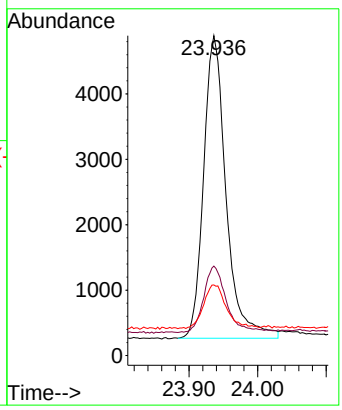


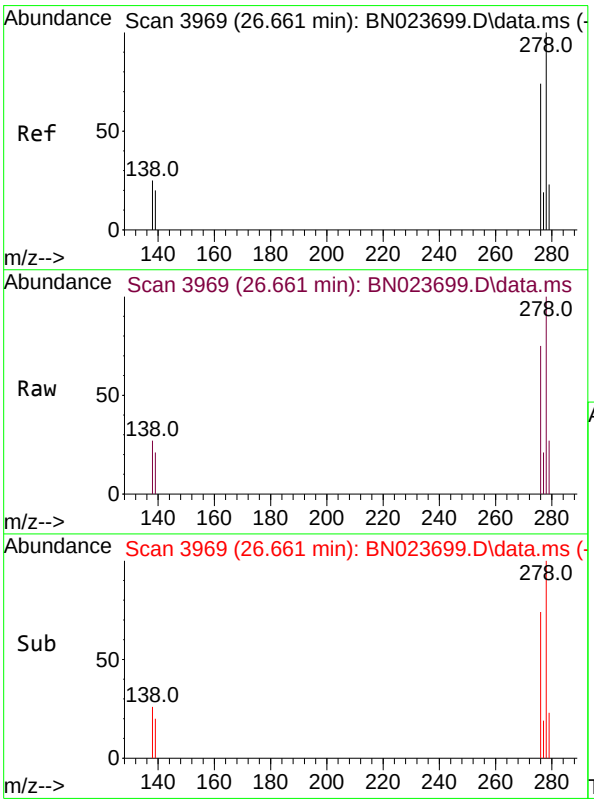
#39
Benzo(a)pyrene
Concen: 0.388 ng
RT: 23.936 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 10550

Ion	Ratio	Lower	Upper
252	100		
253	28.0	22.4	33.6
125	22.1	17.7	26.5

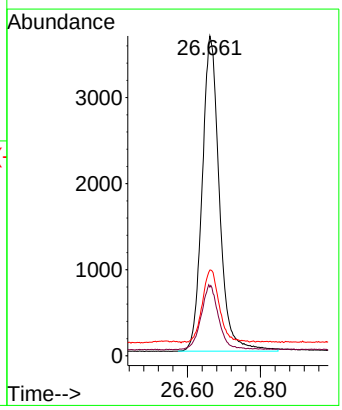


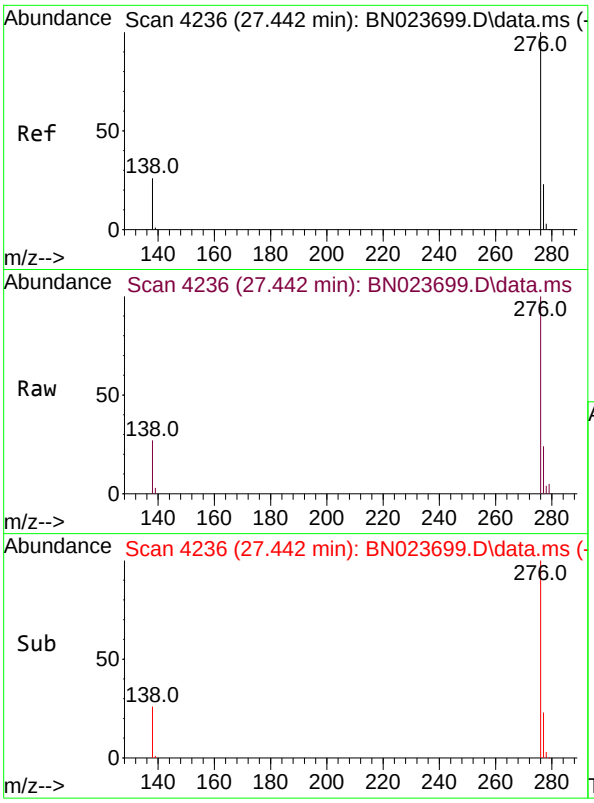


#40
Dibenzo(a,h)anthracene
Concen: 0.455 ng
RT: 26.661 min Scan# 3969
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Tgt Ion:278 Resp: 12004

Ion	Ratio	Lower	Upper
278	100		
139	21.5	17.2	25.8
279	26.8	21.4	32.2





#41
Benzo(g,h,i)perylene
Concen: 0.425 ng
RT: 27.442 min Scan# 4
Delta R.T. 0.000 min
Lab File: BN023699.D
Acq: 18 Jan 2023 12:35

Instrument :
BNA_N
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 12973

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.4	29.0
138	27.3	21.8	32.8